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BREAKDOWNS IN USSR INTERPLANT COOPERATION NEW INDUSTRIAL METHODS

DELIVER DEFECTIVE CASTINGS -- Moscow, Izvestiya, 13 Jun 52

Many interdependent industrial plants are serving each other punctually and faithfully. An example of this cooperation may be seen in the Khar'kov Bicycle Plant, which has recently been supplying two thirds of its monthly quota of parts and units during the first 10 days of each month to the L'vov Bicycle Plant.

Unfortunately, other plants are not observing their contractual obligations strictly. During 1951, the Gidroprivod Plant of the Ministry of Machine-Tool Building turned in a poor performance. The plant directors were primarily responsible, but the ancillary plants hindered operations considerably. The Gidroprivod Plant receives castings from the Khar'kov Machine-Tool-Building Plant imeni Molotov, the Khar'kov Light-Duty Combination Machine-Tool Plant, the Moscow Stankolit Plant, the Yelets Gidroapparatura Plant, the Kiev Plant imeni Gor'kiy, and many others. Not one of these enterprises fulfilled its obligations for delivery of castings during all of 1951. The Yelets Plant delivered only 79 percent of the planned quota of castings; the Moscow Stankolit Plant, 63 percent; and the Kiev Plant imeni Gor'kiy, only 27 percent. Moreover, these castings were exclusively of poor quality. An especially large number of defective castings were among the contributions of the Kiev Plant Imeni Gor'kiy. Many defective items came from the Moscow Stankolit Plant -- especially housing parts for heavy cylinder pumps.

The Khar'kov Turbogenerator Plant, to cite another example, is not able to get all the parts it requires from its main supplier of castings, the Novo-Kramatorsk Plant imeni Stalin. Forgings received by the Khar'kov Turbogenerator Plant often have excessive allowances. Last year alone, the plant spent 525,000 norm hours in repairing casting flaws.

The crux of the situation is that many plants which turn out finished products depend on several dozen ancillary plants for parts and units. Not a few of these ancillary plants are thousands of kolometers from the ordering plants, and it takes a long time to get material to the latter. This raises costs and disrupts the production schedule.

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The effect this situation has on production may be seen in the case of the Khar'kov Tractor Assembly Plant. Before 1951, this plant got its parts from 150 different enterprises, located in various areas of the country. Its production ran consistently behind plan. Now, the plant is supplied by only five ancillary plants, the most important of which are in Khar kov, and the plant is running well ahead of plan. It turns out a garden tractor seven to eight times more rapidly than formerly and at 25 percent less cost.

Such examples illustrate the importance of proper organization of interplant cooperation. Unfortunately, local party and civic organizations fail to devote sufficient attention to this important problem. The Khar'kov City Committee, for its part, is taking a number of measures to bolster the control of ancillary plants.

The problem, however, is not wholly a local one. Many ministries and their main administrations slight the problem of interplant cooperation, often failing to exert proper control over their ancillary plants. The Ministry of Heavy Machine Building, for example, sent five directives to the Novo-Kramatorsk Plant imeni Stalin during January and February urging the completion of turbine parts for the Khar'kov Turbogenerator Plant in the scheduled limits. None of these jobs were completed, however. On 10 March, Zhigalin, Deputy Minister of Heavy Machine Building, issued a fourth categorical order calling for completion of the job for the Khar'kov Turbogenerator Plant by 15 March. This order did not take realities into account. It has not yet been fulfilled.

Another example, to return to the Khar'kov Gidroprivod Plant, speaks eloquently of the situation in the ministries regarding interplant cooperation. During February and March, the director of that plant sent the Deputy Minister of Machine-Tool Building and the Main Administration of Ancillary Production more than ten telegrams in which he noted the failure of the ancillary enterprises to fulfill their obligations. The directors of the ministry and the main administr[illegible] not only failed to have the ancillary plants send the needed castings but a[illegible]d not deem it necessary to answer these telegrams. The plant, meanwhile, [illegible]ing castings and forgings, is not able to meet the plan for production of cylin[illegible] pumps. -- A. Bulgakov, Secretary, Khar'kov City Committee KP(b)Ukraine

DEVELOP COLD WELDING METHOD -- Leningradskaya Pravda, 10 Jun 52

A. G. Nazarov, electric welder at the Moscow passenger terminal of the Moscow-Kursk Railroad System, develop d a simple and effective method of cold welding cast iron. Using this method it is not necessary to preheat the iron part. Instead of a single electrode, a combined packet consisting of copper and steel rods is used. A coating of copper covers the layer of iron along the seam, preserving its structure better.

Furthermore, the melted metal runs into place more easily because of the difference in specific gravity of the copper and steel. A special electrode coating creates a gas and slag antioxidation barrier. Thanks to Nazarov's method, damaged cast-iron parts which formerly would have been consigned to scrap may now be cheaply and easily repaired.

It has been recommended that the method receive broad application throughout Leningrad plants.

NEW PROCESS SPEEDS ASSEMBLY -- Moscow, Moskovskaya Pravda, 4 Jun 52

The Leningrad Hoist and Transport-Equipment Plant imeni Kirov has developed a process for fitting together low-tolerance parts, which obviates the use of special furnaces for preheating and presses for forcing the parts together.

Now, one of the parts to be fitted together is cooled with liquid nitrogen; the other part is heated by a special electrical unit. The new process speeds up assembly time for such parts ten to 15 times.

BROACHING MACHINE BOOSTS LABOR PRODUCTIVITY -- Riga, Sovetskaya Latviya, 30 Jul 52

A broaching machine built at the Minsk Machine-Building Plant was recently installed in the Riga Stars Repair Plant. It is increasing labor productivity ten times.

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